

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Please amend the claims as follows:

1.-22. (Canceled)

23. (Currently Amended) An apparatus comprising:

a domain clock to transmit a clock signal;

a receiving unit coupled to the domain clock, the receiving unit to receive a data signal and to synchronize the data signal to the clock signal, the data signal having a plurality of channels;

a first deframing unit coupled to the receiving unit, the first deframing unit to deframe the data signal from a format and to identify the plurality of channels; and

a second deframing unit coupled to the first deframing unit, the second deframing unit to cycle through each of the plurality of channels to deframe the data signal from a second format.

24. (Currently Amended) The apparatus of claim 23 wherein the clock signal is faster than deframe the data signal from a second format.

25. (Currently Amended) The apparatus of claim 23 wherein the receiving

unit to synchronize the data signal comprises adding a set of stuffing bits to the data signal.

26. (Currently Amended) The apparatus of claim 23 further comprising:

a second receiving unit coupled to the domain clock, the second receiving unit to receive a second data signal and to synchronize the second data signal to the clock signal;

a multiplexing unit coupled to the first deframing unit and the second receiving unit, the multiplexing unit to multiplex the deframed data signal from the second format and the synchronized second data signal; and

the second deframing unit coupled to the multiplexing unit, the second deframing unit to alternate between deframing the plurality of channels and deframing the second data signal.

27. (Original) An apparatus comprising:

a domain clock to transmit a clock signal;

a first and second receiving unit coupled to the domain clock, the first and second receiving unit to receive a first and second signal and to synchronize the first and second signal to the clock signal;

a multiplexing unit coupled to the first and second receiving unit, the multiplexing unit to multiplex the synchronized first and second signal;

a first deframing unit coupled to the multiplexing unit, the first deframing unit to deframe the multiplexed first and second signal from a first format; and

a second deframing unit coupled to the first deframing unit, the second deframing unit to deframe the multiplexed first and second signal from a second format.

28. (Original) The apparatus of claim 27 wherein the first and second signals are transmitted at a first and second rate, the clock signal's rate being greater than a sum of the first and second rate.

29. (Original) The apparatus of claim 27 wherein the clock signal's rate is greater than a sum of the rate of the first and second signal.

30. (Currently Amended) The apparatus of claim 27 wherein the first and second receiving unit to synchronize the first and second signal comprises adding a set of stuffing bits to the first and second signal.

31. (Original) An apparatus comprising:

a domain clock to transmit a clock signal;

a first receiving unit coupled to the domain clock, the first receiving unit to receive a first signal at a first rate and to synchronize the first signal to the clock signal;

a second receiving unit coupled to the domain clock, the second receiving unit to receive a second signal at a second rate and to synchronize the second

signal to the clock signal; a first deframing unit coupled to the first receiving unit, the first deframing unit to deframe the first signal from a first format;

a multiplexing unit coupled to the first deframing unit and the second receiving unit, the multiplexing unit to multiplex the deframed first signal and the second signal; and

a second deframing unit coupled to the multiplexing unit, the second deframing unit to deframe the multiplexed deframed first signal and the second signal from a second format.

32. (Original) The apparatus of claim 31 wherein the clock signal's rate is greater than a sum of the first and second rate.

33. (Original) The apparatus of claim 31 wherein the second signal is a set of signals.

34. (Currently Amended) The apparatus of claim 31 wherein the first and second signal receiving unit synchronize the first and second signal comprises adding a set of stuffing bits to the first and second signal.

35.-46. (Canceled)

47.-49. (Canceled)

50. (Previously Presented) An apparatus comprising:

- a first and second receiving unit to receive a first and second signal;
- a multiplexing unit coupled to the first and second receiving unit, the multiplexing unit to multiplex the first and second signal;
- a deframing unit coupled to the multiplexing unit, the deframing unit to deframe the multiplexed first and second signal from a format;
- a selecting unit coupled to the deframing unit, the selecting unit to select either the first or second signal and to transmit the selected first or second signal;
- a second multiplexing unit coupled to the selecting unit, the multiplexing unit to multiplex the selected first or second signal and a third signal; and
- a third receiving unit coupled to the second multiplexing unit, the third receiving unit to receive the third signal and transmit the third signal to the second multiplexing unit; a second deframing unit coupled to the multiplexing unit, the second deframing unit to deframe the multiplexed third signal and the selected first or second signal from a second format.

51. (Previously Presented) The apparatus of claim 50 wherein the first and second signals are received at a first and second rate.

52. (Previously Presented) The apparatus of claim 50 wherein the first and second signals are received at a first rate.

53. (Currently Amended) The apparatus of claim 50 further comprising:
a domain clock to transmit a clock signal;
the first and second receiving unit coupled to the ~~domain~~ clock signal, the first and second receiving unit to synchronize the first and second signal to the clock signal, the domain clock being faster than a sum of a first rate of the first signal and a second rate of the second signal.

54. (Previously Presented) An apparatus comprising:
a domain clock to transmit a clock signal;
a first and second receiving unit coupled to the domain clock, the first and second receiving unit to receive a first and second signal and to synchronize the first and second signal to the clock signal;
a multiplexing unit coupled to the first and second receiving unit, the multiplexing unit to multiplex the synchronized first and second signal;
a deframing unit coupled to the multiplexing unit, the deframing unit to deframe the multiplexed first and second signal from a format;
a selecting unit coupled to the deframing unit, the selecting unit to select either the first or second signal and to transmit the selected first or second signal;
a second multiplexing unit coupled to the selecting unit, the multiplexing unit to multiplex the selected first or second signal and a third signal;

a third receiving unit coupled to the second multiplexing unit, the third receiving unit to receive the third signal and transmit the third signal to the second multiplexing unit; and

a second deframing unit coupled to the multiplexing unit, the second deframing unit to deframe the multiplexed third signal and the selected first or second signal from a second format.

55. (Previously Presented) The apparatus of claim 54 wherein the first and second signals are received at a second and third clock rate, the sum of the second and third clock rate being less than a rate of the clock signal.

56. (Currently Amended) The apparatus of claim 54 wherein the first and second receiving unit to synchronize the first and second signal comprises adding a set of stuffing bits to the first and second signal.

57. (Previously Presented) The apparatus of claim 54 wherein the clock signal's rate is greater than a sum of the first and second signal's rate.

58.-60. (Canceled)